

The New HERCULES Tractor-Drive Stump Puller

SUITABLE FOR USE WITH ANY STANDARD MAKE OF TRACTOR



Four-Foot Elm Stump Pulled with No. 250 Tractor-Drive

HERCULES SCORES AGAIN!

For years the Hercules has been the leader in the stump puller field, and the Hercules Tractor-drive puller is a new point scored in that direction. It marks the biggest step in stump puller advancement since Hercules replaced breakable cast iron by unbreakable steel in stump puller construction. Now you have Hercules quality, Hercules efficiency, and Hercules economy of operation available to a greater extent than ever before in a stump puller operated by tractor power.

During the past year the new Hercules has proved extremely successful. Its rapid efficient operation makes it even faster and easier to operate than the famous Hercules horse power pullers, which for years have formed the standard land-clearing method all over the world, and in the great Land Clearing Test held in England pulled hard and soft wood timber cheaper than any other method. (See Minister of Agriculture's Report No. 35, Table III, page 47.)

ADAPTABILITY: The key-note of the new Hercules Tractor-Drive Puller is its adaptability. It is suitable for use with any standard make of farm tractor, large or small, wheel or crawler type, without change. Merely back the tractor into place, drop the pin through the tractor draw bar and stiff steel coupling on the puller, and you are ready to go. Absolutely no changing or dismantling necessary. This is the outstanding feature on the Hercules that makes it the only practical stump puller for ordinary use. All

other so-called "tractor-power stump pullers" require so much alteration in the tractor itself—changing wheels, etc.—as to render its use for any other purpose impractical. Not so with the Hercules. At will, the driver can hitch to or unhitch from the puller in a second's time, merely by dropping in or withdrawing the pin fastening tractor draw-bar to the flexible steel coupling.

This feature is of inestimable advantage to the ordinary operator who does not wish to pull stumps all the time, but only to use the puller when he has a little time available from his regular work. He doesn't have time to dismantle his tractor as is necessary on certain tractor power stump pullers. Nor does he wish to keep a special tractor for stump pulling. With the Hercules it is unnecessary to do either. The operator merely drives his tractor of any standard make up to the sweep of the puller, hitches on as he would to a plow or cultivator, and begins pulling.

Another big feature of the Hercules is that the tractor-drive device does not prevent its use as a horse power puller. When the tractor is busy on another job, the tractor-drive Hercules can be used with horses or mules for power, as on the horse power machine, utilizing the special horse power clevis that comes as part of the regular equipment.

NEW MULTI-POWER AUTOMATIC CLUTCH: The one feature that has made the Hercules tractor-drive puller practical is the special automatic self-reversing six lug clutch. It is this feature

MANUFACTURED BY

HERCULES MANUFACTURING CO. - Centerville, Iowa, U.S.A.



SPECIAL CLUTCH ON TRACTOR-DRIVE HERCULES SAVES WORK OF ONE MAN

that has made it possible to operate the Hercules without driving over the pulling cable. Through the new clutch, the puller reverses automatically every time the tractor is reversed. With this device, the puller works like a stem-winding watch, the same ratchet action enabling the operator to drive the tractor forward or backward at will. When the tractor reaches the cable, the driver throws it in reverse and backs up. The special clutch on the puller reverses automatically. Then when he throws the clutch back into forward gear and starts to wind up the cable once more, the multi-power clutch on the puller, working automatically, engages and again takes up the load. Another advantage in this connection is that the four-point clutch used on the horse power pullers has been replaced by a six-point clutch in the tractor-drive machines, making it possible for the gear to engage at many different points in the circumference of the circle of the sweep, as the work and the lay of the land may require.

LABOR-SAVING: Thanks to the special automatic clutch, practically the work of one man is saved with the Hercules Tractor-drive puller. The driver controls both stump puller and tractor from his seat on the latter, thus eliminating the need of a man at the puller to handle the clutches and cams. With the new machine, the driver no longer has to walk around after the team as on the horse power puller. In this regard, the Hercules Tractor-drive has the same advantage over the horse power that a riding plow has over a walking plow.

The ease with which it is possible to hitch to or unhitch from tractor enables the driver to remove the pin and detach the tractor with-

out leaving his seat, driving it down the field to jerk hitches loose from pulled stumps, drag out pull cable, or move a stump out of the way. The tractor will move around much faster than a team in doing these jobs, and saves the men a great deal of work. This feature is equal to adding another man or two to help with the work.

STIFF STEEL COUPLING: The special flexible stiff coupling on the Hercules, through special design, has both the vertical and horizontal action necessary to meet the unevenness of the ground when the tractor goes over high or low places, and at the same time possesses the rigidity essential for running in reverse.

EFFICIENCY: The various improved features of the Hercules combine to give it a maximum of efficiency, making it the most efficient stump puller made today. It is faster, easier to operate, and more economical than even the famous Hercules horse power pullers.

IMPORTANT ADVANTAGES: Among a few of the big advantages of the Hercules tractor-drive are the following:

1. It can be used with any standard farm tractor—either wheel or crawler type.
2. It requires no changing or dismantling of tractor. Hitch to the puller, as you would to a plow.
3. When tractor is busy on another job, the puller may be operated with horses or mules supplying the power.
4. The special automatic clutch eliminates the necessity for tractor to go over pulling rope.
5. The especially designed stiff coupling speeds up work on uneven land.
6. The driver can uncouple tractor from puller, drive down to drag off cable, move a stump, then return, re-couple to puller, and proceed with the work without leaving his seat.
7. No belts, sprockets, or drive-chains are necessary.
8. It is suitable for self-anchoring or stump anchoring.
9. It requires no walking around the sweep, following the team.
10. The driver controls both stump puller and tractor from his seat on the latter.
11. On heavy pulls, it operates slowly, permitting small roots and ground to loosen, lightening the load, and on light loads it operates at high speed. It never pulls with sudden jerks, which so frequently result in breakage.
12. The complete outfit is light enough and compact enough to be quickly and easily moved from one setting to another. The price is but slightly higher than that of the horse power Hercules. The same broad three year guarantee against breakage applies on the tractor-drive puller that holds for every Hercules machine.

HITCHING TO TRACTOR



Dropping pin through to fasten No. 250 Tractor-drive puller to large Emerson tractor, showing ease of this operation. On all small tractors, this can be done by the driver without leaving his seat.



HERCULES No. 250 TRACTOR-DRIVE STUMP PULLER

For general-purpose use in pulling average-sized stumps and trees of all kinds, as well as for hedge and brush, we would recommend our No. 250 Tractor-drive outfit. It is an efficient, fast-working machine and corresponds in size and equipment to the famous No. 200 Horse Power puller, carrying all its complete equipment and improved features, plus the additional feature of rapid operation by tractor. This machine is of size adapted to quick work, at the same time possessing the strength and power necessary to successful operation. We recommend it for all ordinary work.

SPECIFICATIONS OF No. 250

Size of Timber: The No. 250 is adapted to use on stumps and trees of all sizes up to 2 and $2\frac{1}{2}$ ft. diameter, old stumps up to 3 ft.

Powers: Single, double, and triple power. Various shifts on the tractor give additional speed variations for each power.

Capacity: Maximum pulling capacity with triple power, 240,000 lbs. All ordinary stumps pull at much less than this figure.

Weight: The complete outfit weighs approximately 1250 lbs.

Cable: 150 ft. best quality Grand Prize steel pulling cable enables the operator to clear a circle 300 ft. in diameter at each setting. All short cables are also of this same high quality Grand Prize cable.

Wooden Parts: Factory-made wood sweep, steel truss rod, and factory-made wood bed plate are all included so machine is ready to begin work when received.

Tractor-Drive Features: Include special automatic, six-lug clutch, self-adjusting, flexible steel Hitching, and Loop Anchor cable for short anchor hitch.

Adaptability: No. 250 puller can be used with any standard wheel or crawler type tractor. Also with horses, mules, or oxen.

Detailed List of Equipment: Includes No. 2 Hercules steel new model Tractor-Drive machine with special Multi-power Automatic clutch, 150 ft. $\frac{3}{8}$ " Grand Prize pulling cable on drum, 1" Grand Prize Loop Anchor cable with Interchangeable couplings, Steel Rope Hook, Double Power Pulley with 12 ft. $1\frac{1}{8}$ " cable, hook attached, Improved Cam Take-up with $\frac{3}{8}$ " cable, Patent Steel Stabilizer, Patent Steel Sweep Sector, factory-made sweep and truss rod, Factory-made bed plate, self-adjusting stiff steel hitching.

Code Name "Roman"

PULLING A BIG ONE WITH HERCULES No. 250



The Hercules Tractor-drive pullers are also made in three other sizes: No. 150 for light work, and Nos. 350 and 450 for heavy work in hard-pulling stumps and trees. The No. 150 size proves very successful for fast work in soft-wood timber up to 2 ft. diameter. For very heavy work, running over 3 ft. diameter—green hardwood timber over $2\frac{1}{2}$ ft.—our No. 450 machine is best suited. However, for all average work, we recommend the No. 250 size described above. Details and prices of the other machines supplied on request.

No. 250 Clears Thirty Acres in Less than Month

Hercules Mfg. Co., Centerville, Iowa
Gentlemen:

Strong City, Oklahoma, March 29, 1930

We are doing very heavy pulling with our Hercules No. 250 Tractor-Drive puller. It is surely a wonderful machine. Have had it less than a month and have cleared 30 acres of stumps so big it is all a FarmAll tractor can do to drag them away.

We are going to try to get a picture of our work when we have a little more time for it.

Your truly, A. F. Perry.

You, too, can do heavy pulling with a Hercules No. 250 Tractor-Drive outfit. Let us have your order today!

At the rate at which Mr. Perry cleared his land—30 acres in less than a month—the largest tracts of timber can soon be cleared. Better get started on yours right away!

Reversing Tractor for a New Pull

"IT'S A DANDY!"

Jerome, Iowa.
June 1, 1930.

Gentlemen:

We cleared a lot of stumps with the 250 Hercules Tractor-drive puller. Used our Fordson mostly. When the tractor was busy, we used horses. Both worked fine, but the tractor worked the fastest. It's a dandy!"

Your truly,
Peter Sidles.

Note How Puller Reverses Automatically

"BEST WAY TO PULL STUMPS!"

Appanoose County, Ia.
May 5, 1930.

Dear Sirs:

This afternoon I hitched to my No. 250 tractor-drive puller with the same tractor I was plowing with this morning and cleared up about an acre of oak and hickory stumps. It's the best way to pull stumps.

Yours very truly,
J. C. Campbell.



Sweep Passing Over Anchor Stump

(Bulletin No. 7)

**HERCULES MANUFACTURING
COMPANY**

CENTERVILLE, IOWA, U. S. A.

Ready to Go!

